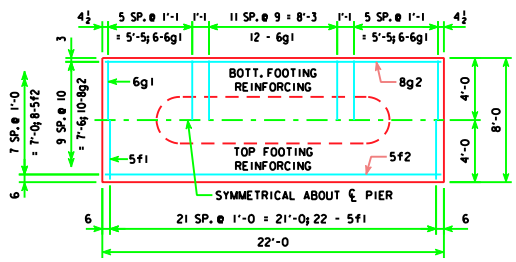
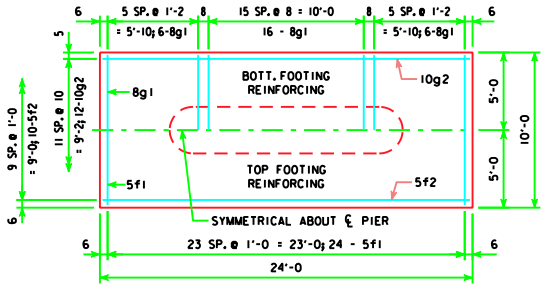
H IN FT.	℄ - ℄ ABUT. BRG.	MIN. BRG. (TSF)	FOOTING SIZE
25 TO 27	138'-10 151'-4 163'-10 176'-4	5	4' x 8' x 22'
	188'-10 201'-4 213'-10 226'-4 243'-0	5	4' x 9' x 22'
28 TO 30	138'-10	5	4' x 8' x 22'
	151'-4 163'-10 176'-4 188'-10 201'-4	5	4' x 9' x 22'
	213'-10 226'-4 243'-0	5	4' x 10' x 22'
31 TO 33	201'-4 213'-10 226'-4	5	4' x 10' x 22'
	243'-0	5	4' x 10' x 24'
34 TO 36	201'-4 213'-10 226'-4 243'-0	5	4' x 10' x 24'
37 TO 40	201'-4 213'-10 226'-4 243'-0	5	4' x 11' x 24'

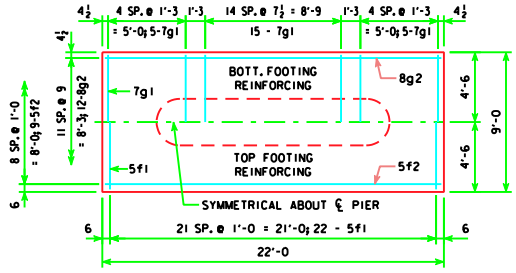
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 8' x 22'	d2	36 - #10 AS SHOWN	11'-4	1756	2968	26.1
	f1	22 - #5 @ 1'-0	7'-8	176		
	f2	8 - #5 @ 1'-0	21'-8	181		
	g1	24 - #6 AS SHOWN	7'-8	276		
	g2	10 - #8 @ 0'-10	21'-8	579		
4' x 9' x 22'	d2	36 - #10 AS SHOWN	11'-4	1756	3295	29.3
	f1	22 - #5 @ 1'-0	8'-8	199		
	f2	9 - #5 @ 1'-0	21'-8	203		
	g1	25 - #7 AS SHOWN	8'-8	443		
	g2	12 - #8 @ 0'-9	21'-8	694		
4' x 10' x 22'	d2	36 - #10 AS SHOWN	11'-4	1756	3679	32.6
	f1	22 - #5 @ 1'-0	9'-8	222		
	f2	10 - #5 @ 1'-0	21'-8	226		
	g1	22 - #9 AS SHOWN	9'-8	723		
	g2	13 - #8 @ 0'-9½	21'-8	752		
4' x 10' x 24'	d2	36 - #10 AS SHOWN	11'-4	1756	4190	35.6
	f1	24 - #5 @ 1'-0	9'-8	242		
	f2	10 - #5 @ 1'-0	23'-8	247		
	g1	28 - #8 AS SHOWN	9'-8	723		
	g2	12 - #10 @ 0'-10	23'-8	1222		
4' x 11' x 24'	d2	36 - #10 AS SHOWN	11'-4	1756	4526	39.1
	f1	24 - #5 @ 1'-0	10'-8	267		
	f2	11 - #5 @ 1'-0	23'-8	272		
	g1	25 - #9 AS SHOWN	10'-8	907		
	g2	13 - #10 @ 0'-10½	23'-8	1324		



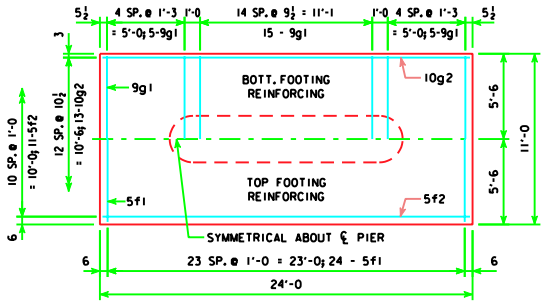
4'-0 x 8'-0 x 22'-0



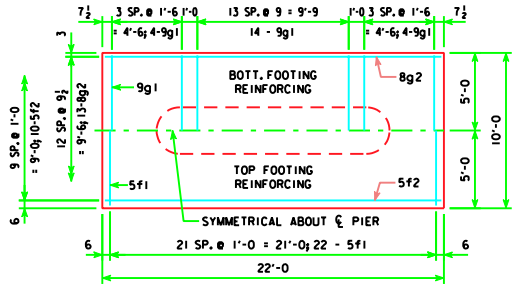
4'-0 x 10'-0 x 24'-0



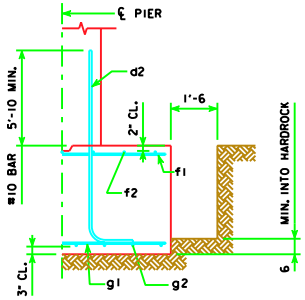
4'-0 x 9'-0 x 22'-0



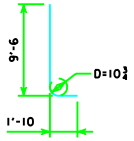
4'-0 x 11'-0 x 24'-0



4'-0 x 10'-0 x 22'-0

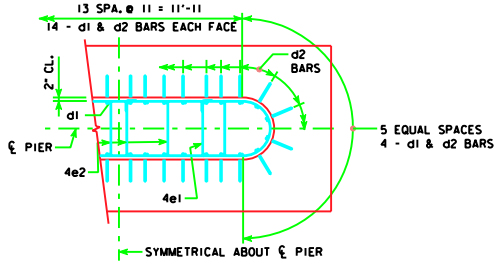


TYPICAL SECTION



d2

NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H24-61-06.)

FOOTING NOTES:

THESE SPREAD FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H24-61-06.

THESE SPREAD FOOTINGS SHALL EXTEND AT LEAST 6 INCHES INTO SUITABLE FOUNDATION ROCK AND THE LAST 6 INCHES OF ROCK EXCAVATION SHALL BE TO NEAT LINES OF MASONRY. SEE TABLE FOR MINIMUM ALLOWABLE BEARING VALUE REQUIRED FOR THE FOUNDATION ROCK.

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN

ALUMNUM OVERHEAD SIGN TRUSS WITH GALVANIZED STEEL SUPPORTS

???, 2005

TEE PIER - SPREAD FOOTINGS, H=25' TO 40'
45° SKEW

H24-65-06